Title (en)

Radiocommunications apparatus for signal spreading and despreading under the constraint of a limited off-axis power spectral density

Title (de)

Vorrichtungen zur Signal-Spreizung bzw. -Entspreizung zur Einhaltung einer zulässigen ausseraxialen Leistungsspektraldichte in der Funkkommunikation

Title (fr)

Dispositif d'étalement et dispositif de désétalement pour les communications radio en présence d'une contrainte de densité spectrale de puissance hors d'axe

Publication

EP 1783928 B1 20090121 (FR)

Application

EP 05300895 A 20051107

Priority

EP 05300895 A 20051107

Abstract (en)

[origin: EP1783928A1] The device has a storage module (M1) to temporarily store a digital sample sequence of an analog input signal according to a sampling frequency and in a synchronized manner with respect to starts of periodic time slots. A digital-to-analog conversion module (CV2) generates an analog output signal during each time slot and according to another sampling frequency. The output signal represents N repetitions of the sequence, where N is greater than one. The conversion module delivers, at its output, the output signal according to a symbol rhythm that is N times equal to a reference symbol rhythm. Independent claims are also included for the following: (1) a device for processing an analog signal from a signal processing device of a communication terminal (2) a demodulator comprising an analog signal processing device.

IPC 8 full level

H04B 7/02 (2006.01)

CPC (source: EP KR US)

H04B 1/707 (2013.01 - KR); **H04L 1/08** (2013.01 - EP KR US); H04B 2201/70703 (2013.01 - KR)

Cited by

CN111405654A

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1783928 A1 20070509; **EP 1783928 B1 20090121**; AT E421808 T1 20090215; DE 602005012520 D1 20090312; JP 2009515394 A 20090409; KR 101306369 B1 20130909; KR 20080060196 A 20080701; US 2011064116 A1 20110317; US 8711955 B2 20140429; WO 2007054652 A1 20070518

DOCDB simple family (application)

EP 05300895 A 20051107; AT 05300895 T 20051107; DE 602005012520 T 20051107; FR 2006051137 W 20061106; JP 2008538387 A 20061106; KR 20077030633 A 20061106; US 99345006 A 20061106